



PIONEER LIGHTING
pioneerlighting.com

S HB series – LED HI-BAY

FEATURES & SPECIFICATIONS

High performance energy-efficient alternative to HID or fluorescent hi-bays. Available in wide assortment of lumen options. 12" wide is standard; 20" wide for high-lumen applications; 6" wide for aisle & task lighting.



CONSTRUCTION: Die-formed of heavy-duty 24 gauge pre-painted BWE steel. Top access plate allows quick and easy installation & maintenance. Supplied with BWE reflector & adjustable aviation cable suspension.

LENS: Optional lay-in lenses c/w flip-down end brackets. Available in clear, prismatic, or frosted.

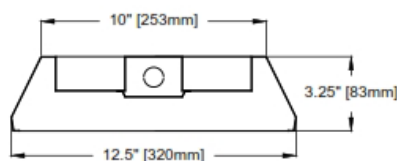
COLOURS & CRI: Available in 3000K, 3500K, 4000K, and 5000K. 80 CRI is standard. 90 CRI, selectable CCT (35K-5K) – special order. Consult factory

OPERATION: -20°C to 40°C (-40°C optional) L70 at 50,000 hrs. 5 yr. component warranty.

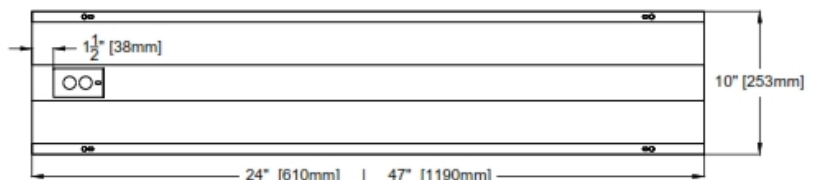
INSTALLATION: Suitable for indoor surface, chain or cable suspension.

ELECTRICAL: 120v, UNV (120-277v), 347v or selectable 120-347v. Thermally protected driver with 0-10V dimming..

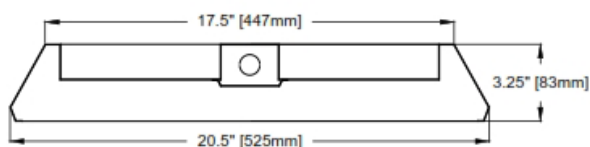
LISTINGS: CSA for Canada & US. DLC on **selected models ***



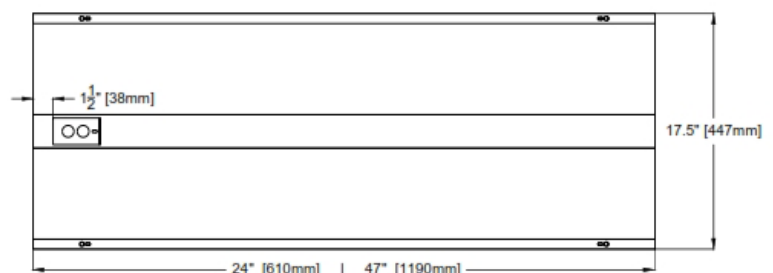
S HB-12 End



S HB-12 Base View



S HB-20 End



S HB-20 Base View



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300 Dwight Ave. Toronto, ON
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ORDERING INFORMATION Examples: S HB-1248-21L-4K-UNV | S HB-2048-34L-4K-347-OS

SERIES	Nominal LENGTH "	Nominal LUMENS (x1,000)	COLOUR Temp.	VOLTAGE	OPTIONS	
S HB-6 6" wide	24	3L, 4L, 5L, 6L, 7L, 8L	3K 3000K	UNV (120-277v) 120 120V 347 347V	PWD -	pre-wired dimming
	48	5L, 6L,7L, 8L, 10L, 12L, 14L	35K 3500K		OS -	PIR sensor **
	96 *	SPECIAL ORDER ONLY *	4K 4000K		OSMW -	microwave sensor **
S HB-12 12" wide	48	12L, 15L, 17L, 21L, 23L 27L, 30L	5K 5000K XK - select	OPTIONAL LAY-IN LENSES: LP - Prismatic LC - Clear LO - Opal	** -SD -	bi-level step-dimming
	96 *	SPECIAL ORDER ONLY *			CT -	cold temp (-40C) start-up
S HB-20 20" wide	24	12L, 15L, 17L, 21L, 23L 27L, 30L			EM -	emergency pack
	48	30L, 34L, 40L, 45L, 50L			C xxx -	cord-whip + length
	96	Not Available			ACHK15-	15ft cable suspension
				* RL -	radial louver (S HB-6)	
				* SBL -	blade louver (S HB-12)	

*Consult Factory

PERFORMANCE TABLES (4,000k @25C ambient temp., data tolerances +/- 5%: flux ±7.5%; efficacy ±10%)

S HB-12 12"wide	LUMENS		WATTS	LPW DELIVERED
	NOMINAL	DELIVERED		
S HB-1248 * ALL DLC LISTED	12,000	12,331	84	146.8
	15,000	14,822	97	152.8
	17,000	16,883	114	148.1
	21,000	20,986	140	149.9
	23,000	23,002	155	148.4
	27,000	26,711	173	154.4
	30,000	29,408	195	150.8
S HB-1296	23,000	22,230	156	142.5
	25,000	24,282	158	153.7
	27,000	2,609	176	14.8
	30,000	2,903	200	14.5
	34,000	32,832	228	144.0
	38,000	36,404	267	136.3
	40,000	39,748	287	138.5
	45,000	43,548	292	149.1

S HB-20 20"wide	LUMENS		WATTS	LPW DELIVERED
	NOMINAL	DELIVERED		
S HB-2024 * ALL DLC LISTED	12,000	12,583	84	149.8
	15,000	15,132	97	156.0
	17,000	17,237	114	151.2
	21,000	21,434	140	153.1
	23,000	23,483	155	151.5
	27,000	27,265	173	157.6
	30,000	30,011	195	153.9
S HB-2048 * ALL DLC LISTED	30,000	30,001	195	153.9
	34,000	34,474	228	151.2
	40,000	39,748	259	153.5
	45,000	45,472	298	152.6

S HB-6 6" wide	LUMENS		WATTS	LPW DELIVERED
	NOMINAL	DELIVERED		
S HB-648	5,000	5,130	35	146.6
	6,000	5,980	42	142.4
	7,000	7,068	52	135.9
	8,000	7,838	53	147.9
	10,000	9,680	66	146.7
	12,000	11,685	82	142.5

NOTE: Lumen packages may vary slightly with different components.

Some chemical environments can deteriorate components. Please consult factory for details.

Due to continuing improvements in LED technology, specifications are subject to change.



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